

Using aqueous binders in producing abrasive materials

Abstract

- 5 The present invention relates to the use of an aqueous polymer dispersion comprising dispersed particles of at least one polymer A1 having a glass transition temperature, T_g , of from -20°C to $+35^{\circ}\text{C}$ and obtainable through free-radical emulsion polymerization in the presence of a polymer A2 synthesized from
- 10 - from 50 to 99.5% by weight of at least one ethylenically unsaturated monocarboxylic and/or dicarboxylic acid whose carboxylic groups can form an anhydride group, or mixtures thereof,
- 15 - from 0.5 to 50% by weight of at least one ethylenically unsaturated compound selected from the esters of ethylenically unsaturated monocarboxylic acids and the monoesters and diesters of ethylenically unsaturated dicarboxylic acids with an amine containing at least one hydroxyl group, and
- 20 - up to 20% by weight of at least one further monomer
- as binder for producing abrasive material.